

## Message Text

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11

ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 OES-06 EB-07 /033 R

DRAFTED BY PFRANK:OPI:ERDA LHERWIG:DSE

APPROVED BY OES/APT/SEP:WAROOT

GFHELFRICH, OPI:ERDA

EUR/SOV:WVEALE

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P 112135Z AUG 76

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW PRIORITY

UNCLAS STATE 199683

E.O. 11652:

TAGS: US, UR, TECH, TGEN, ENRG

SUBJECT: US-USSR ENERGY AGREEMENT: SOLAR PHOTOELECTRIC

CONVERSION 08.0209-03

REF (A) MOSCOW 11680, (0) STATE 161338

1. FYI: RE PARA 2 REF A, U.S. CONVERSION EFFICIENCIES  
FOR SOLAR CELLS ARE AS FOLLOWS:

	ATTAINED	GOAL
	PCT.	PCT.
;SINGLE CRYSTAL SILICON DEVICES	18	20-25
POLYCRYSTALLINE THIN FILM SILICON	6	10
SINGLE CRYSTAL GALLIUM ARSENIDE	20	25
CADMIUM SULFIDE HETEROJUNCTIONS	8	15
CADMIUM TELLURIDE HETEROJUNCTIONS	4	10
POLYCRYSTALLINE GALLIUM ARSENIDE	2	18
INDIUM PHOSPHIDE	12	25
COPPER-INDIUM-SELENIDE	12	25
ZINC PHOSPHIDE	SMALL	15

2. U.S. TLA URGENTLY NEEDS RESPONSE TO PROPOSAL

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FOR SEPTEMBER VISIT TO USSR, AS MEMBERS OF TEAM MUST

CHOOSE BETWEEN OTHER COMMITMENTS.

3. REQUEST EMBASSY CONTACT MALYEVSKY AS SOON AS POSSIBLE  
TO CONFIRM SEPTEMBER VISIT AND REQUEST THAT ITINERARY  
INCLUDE DISCUSSIONS WITH LENINGRAD SCIENTISTS WHO HAVE  
DEVELOPED THE PHOTOELECTRIC DEVICE WITH 25 PERCENT  
EFFICIENCIES. KISSINGER

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** AGREEMENTS, NUCLEAR ENERGY, SCIENTIFIC MEETINGS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 11 AUG 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1976STATE199683  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** OIPI:ERDA LHERWIG:DSE  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D760309-1261  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1976/newtext/t19760862/aaaaccrb.tel  
**Line Count:** 68  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ORIGIN ERDA  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** 76 MOSCOW 11680, 76 STATE 161338  
**Review Action:** RELEASED, APPROVED  
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**Review Comment:** n/a  
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**Review Date:** 16 APR 2004  
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**Review Exemptions:** n/a  
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**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** US-USSR ENERGY AGREEMENT: SOLAR PHOTOELECTRIC CONVERSION 08.0209-03  
**TAGS:** TECH, TGEN, ENRG, US, UR  
**To:** MOSCOW  
**Type:** TE  
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